

LIGHT-EMITTING STYLUS AND USER INPUT DEVICE USING SAME

Abstract

The present invention provides a light-emitting stylus configured to abruptly change a
5 property of an emitted light beam when the stylus sufficiently contacts a surface. The abrupt
change in the light beam is detectable by an array of light sensitive detectors that can be used
to determine the position of the light beam when the light beam is transmitted through an
input surface. When the stylus contacts the input surface, the detectors can detect the abrupt
change in the emitted light, signaling a change from a stylus hover mode to a stylus touch
10 down mode.